OR920030200US1 (590.109)

As a below named inventor, I hereby declare that:

(Application Number)

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is abouth on the invention entitled:

claimed and for which a patent	is sought on the invention	entitled:	
INCREASED PRECISION IN THE	COMPUTATION OF A RECIPRO	CAL SQUARE ROOT	
the specification of which	(check one)		
x is attached hereto.			
was filed on	as International B	usiness Machines Docket	No. YOR920030200061
and was amended on	(if applicable)		
I her by state that I have specification, including th			
I acknowledge the duty to d			
I hereby claim foreign pric or \$365 (b) of any foreign a of any PCT International ag United States, listed below for ign application for pat application, having a filin claimed:	application(s) for patent oplication which designat wand have also identified tent or inventor's certif	or inventor's certi- ed at least one coun d below, by checking icate, or PCT Intern	ficate, or \$365(a) try other than th the box, any ational
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Prior Foreign Application(s)	Y 1		Priority Claimed
(Number) (Country)	(Day/Month/Year Filed)	3 7 7	Yes No
			Yes No
(Number) (Country)	(Day/Month/Year Filed)	*	
(Number) (Country)	(Day/Month/Year Filed)		Yes No
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I hereby claim the benefit unde listed below.	or 35 U.S.C. 5119(e) of any t	United States provisions	al application(s)
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(Filing Date)

Post Office Address

I h r by claim the benefit under 35 U.S.C. \$120 of any United States Application(s), or \$365(c) of any PCT International application designating the United States, listed below and, insefar as the subject matter of each of the claims of this application is not disclos d in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. \$112. I acknowledge the duty to disclos information material to the patentability of this application as defined in 37 CFR § 1.56 which coursed between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	(patented, pane	ing, aban	doned)
(Application Serial No.)	(Filing Date)	(Status)	(patented, pend	ling, aban	doned)
I hereby declars that all statements made on informs statements were made with are punishable by fine or United States Code and the application or any patent	ation and belief are belief the knowledge that willfu- imprisonment, or both, un at willful false statement	eved to be t il false sta ider Section	rue; and furt tements and the 1001 of Title	her that he like e 18 of	th se so made the
POWER OF ATTORNEY: As a ragent (s) to prosecute this Trademark Office connected	application and transact	all busine	ss in the Pate		and/or
Richard M. Judwin (Reg. 32, (Reg. 26,914), John B. Hoe W. Cameron (Reg. 31,596), Hearthery (Reg. 41,500), 29,551), Daniel P. Morris Percello (Reg. 33,206), R. Rafael Perez-Pineiro (Reg. Send Correspondence to: FRRE	el (Reg. 26,279), Joseph (lan Yee Cheung (Reg. 42,41) rek S. Jennings (Reg. No. (Reg. 32,053), Alison D. bert M. Trepp (Reg. 25,93) 46,041).	C. Redmond, (0),Thu Ann 41,473), S Mortinger ((3), Gail H.	Jr. (Reg. 18, Dang (Reg. 41 tephen C. Kau Reg. 39,306), Zarick (Reg.	753), Dor ,544), Lo fman (Res Louis J. 43,303),	ıglas puis P. J.
					
Direct Telephone Calls to: (no	ame and telephone number) St	anley D. Fere	nce III, (412)	741-8400	
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Robert F. Enenkel					
Full name of sole or first	inventor				
Inventor's Signature		Date	× ,		
322 Main Street N., Markha Residence	m, Unitario, Canada L3P 12				
Canada					
Citiz nahip					

Address

R bert L. Goldiez				
Full mame of second joint-inventor, if any				
What I AM	. 7/	181 /2003		
Inventor's Signature	Date /	7		
526 Kellyridge Drive, Apex, North Carolina 27502	×.	<i>'</i>		
Residence				
USA				
Citizenship				
Same as above				
Post Office Address				
T.J. Christopher Ward				
Full name of third joint-inventor, if any				
Inventor's signature	Date			
		4		
43 Matthes Road, Briarcliff Manor, New York 10510				
Residence		1.		
United Kingdom				
Citiz nghip	100 00 00 000			
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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INCREASED PRECISION IN THE COMPUTATION OF A RECIPROCAL SQUARE ROOT

the ap cirication or white	n (check one)		
x is accached hereto.			* * *
was filed on	as Internstional E	usiness Machines Dock	et No. YOR920030200US1
and was amended on	(if applicable		- 10
I hereby state that I have sp cification, including			
I acknowledge the duty to this application in accord			
I her by claim foreign pro \$365(b) of any foreign of any FCT International a United States, listed bel- foreign application for pro- application, having a filt claim d:	application(s) for patent application which designate ow and have also identification and have also identification inventor's certification.	or inventor's cer ed at least one co d below, by checking icate, or PCT Inter	tificate, or \$365(a) untry other than the ng the box, any rnational
Prior Foreign Application(s)			Priority Claime
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I hereby claim the benefit und listed below.	der 35 U.S.C. \$119(e) of any	mited States provision	onal application(s)
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(Application Number)	(Filing Date)		

(Application Serial No.)

I her by claim the benefit under 35 U.S.C. \$120 of any United States Application(s), or \$365(c) of any PCT International application designating the United States, listed b low and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. \$112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CPR § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Status) (patented, pending, abandoned)

(Filing Date)

(Application Serial No.)	(Filing Date)	(Status) (patents	d, pending, abandoned)
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I hereby declare that all st			
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ar punishable by fine or in			
United States Code and that	willful false stateme	nts may jeopardize t	he validity of the
applic tion or any patent is	ssued thereon.		
POWER OF ATTORNEY: As a name			
agent(s) to prosecute this s			
Trademark Office connected t	cherewith (list name a	nd registration numb	er).
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Richard M. Ludwin (Reg. 33,0			
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Berzberg (Reg. 41,500), Dere	k S. Jennings (Reg. N	o. 41,473), Stephen	C. Kaufman (Rg.
29,551), Daniel P. Morris (R			
rcello (Reg. 33,206), Robe	ort M. Trepp (Reg. 25,	933), Gail H. Zarick	(Reg. 43,303), and
Rafa 1 Perez-Pineiro (Reg. 4			
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Sand Correspondence to: FERRNCE	& ASSOCIATES, 400 Broad	Screet, Pitterburgh, Pa	15143
send Correspondence to: FERENCE	& ASSOCIATES, 400 Broad	Street, Pittsburgh, PA	<u> 15143</u>
and Correspondence to: SERENCE	& ASSOCIATES, 400 Broad	Street, Pittsburgh, PA	15143
Diract Telaphone Calls to: (name			
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Direct Telephone Calls to: (name Rob rt P. Enenkel Tull name of sole or first i) and telephone number)	Stanley D. Ference III.	
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Direct Telephone Calls to: (name Rob rt F. Emenkel Full name of sole or first i (nventor's Signature 122 Main Street N., Markham, Residence) and telephone number)	Stanley D. Ference III.	
Direct Telephone Calls to: (name Rob rt F. Emenkel Full name of sole or first i (nventor's Signature 122 Main Street N., Markham, Residence) and telephone number)	Stanley D. Ference III.	
Oirect Telephone Calls to: (name Rob rt F. Emenkel Full name of sole or first i Inventor's Signature 122 Main Street N., Markham, Residence) and telephone number)	Stanley D. Ference III.	
Sand Correspondence to: FERENCE Direct Telephone Calls to: (name Rob rt F. Emenkel Full name of sole or first i Invantor's Signature 322 Main Street N., Markham, Residence Canada Citizenship Same as above) and telephone number)	Stanley D. Ference III.	

Full name of second joint-inven	tor, if any					
Inventor's Signature			Date			
526 Kellyridge Drive, Apex, Nor	th Carolina	27502				
Residence						
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USA						
Citizenship						
Sam as above						
Post Office Address						1
				'		
*						
T.J. Christopher Ward						
Full name of third joint-invento	or, if any					
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TICWAN				7/1/2 31	2003	
Inventor's signature			Date	_ /	/	
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43 Matthes Road, Briarcliff Mano	or, New York	10510				
Residence						
United Kingdom						
Citiz nship					-	
Sam as above						

As a below named inventor, I hereby declare that:

YOR920030200US1 (590.109)

My residence, post office addr	ess and citizenship are as st	sted helow next to			
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I believe I am the original, foriginal, first and joint invectaimed and for which a patent	ntor (if plural names are lis	ted below) of the			18
INCREASED PRECISION IN THE	COMPUTATION OF A RECIPROC	AL SQUARE ROOT			
the specification of which	(check one)				
x is attached hereto.			0		
was filed on	as International Bu	siness Machines D	ocket No.	YOR920030200	US1
and was amended on	(if applicable)				
I hereby state that I have specification, including t					ed
I acknowledge the duty to this application in accord					
or \$365(b) of any foreign of any PCT International a United States, listed below	pplication which designate				
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§365(c) of any PCT International application designating the United States, listed below
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information material to the patentability of this application as defined in 37 CFR § 1.56
which occurred between the filing date of the prior application and the national or PCT
international filing date of this application:

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	application and transac	uppoint the following attorney(s) and t all business in the Patent and ad registration number).	d/or
W. Cameron (Reg. 31,596), Wa Herzberg (Reg. 41,500), Der 29,551), Daniel P. Morris (Percello (Reg. 33,206), Rob Rafael Perez-Pineiro (Reg.	. (Reg. 26,279), Joseph in Yee Cheung (Reg. 42,4 rek S. Jennings (Reg. No. (Reg. 32,053), Alison D. Pert M. Trepp (Reg. 25,5 46,041).	C. Redmond, Jr. (Reg. 18,753), Doug (10), Thu Ann Dang (Reg. 41,544), Lou b. 41,473), Stephen C. Kaufman (Reg. Mortinger (Reg. 39,306), Louis J. (33), Gail H. Zarick (Reg. 43,303),	las is P
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Post Office Address

Post Office Address

Full name of second joint	 inventor, if any 				-
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			~		
Inventor's Signature		· .	Date		
526 Rellyridge Drive, Ape.	x, North Carolina	27502			
Residence					
USA					
Citizenship					
			14		
Sam as above				·	
Post Office Address				-	
					1
T.J. Christopher Ward					
Full name of third joint-	inventor, if any				
					
Inventor's signature			Date		
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Residence					
- :					
United Kingdom					
Citizenship					
					- * * * *
Same as above					

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